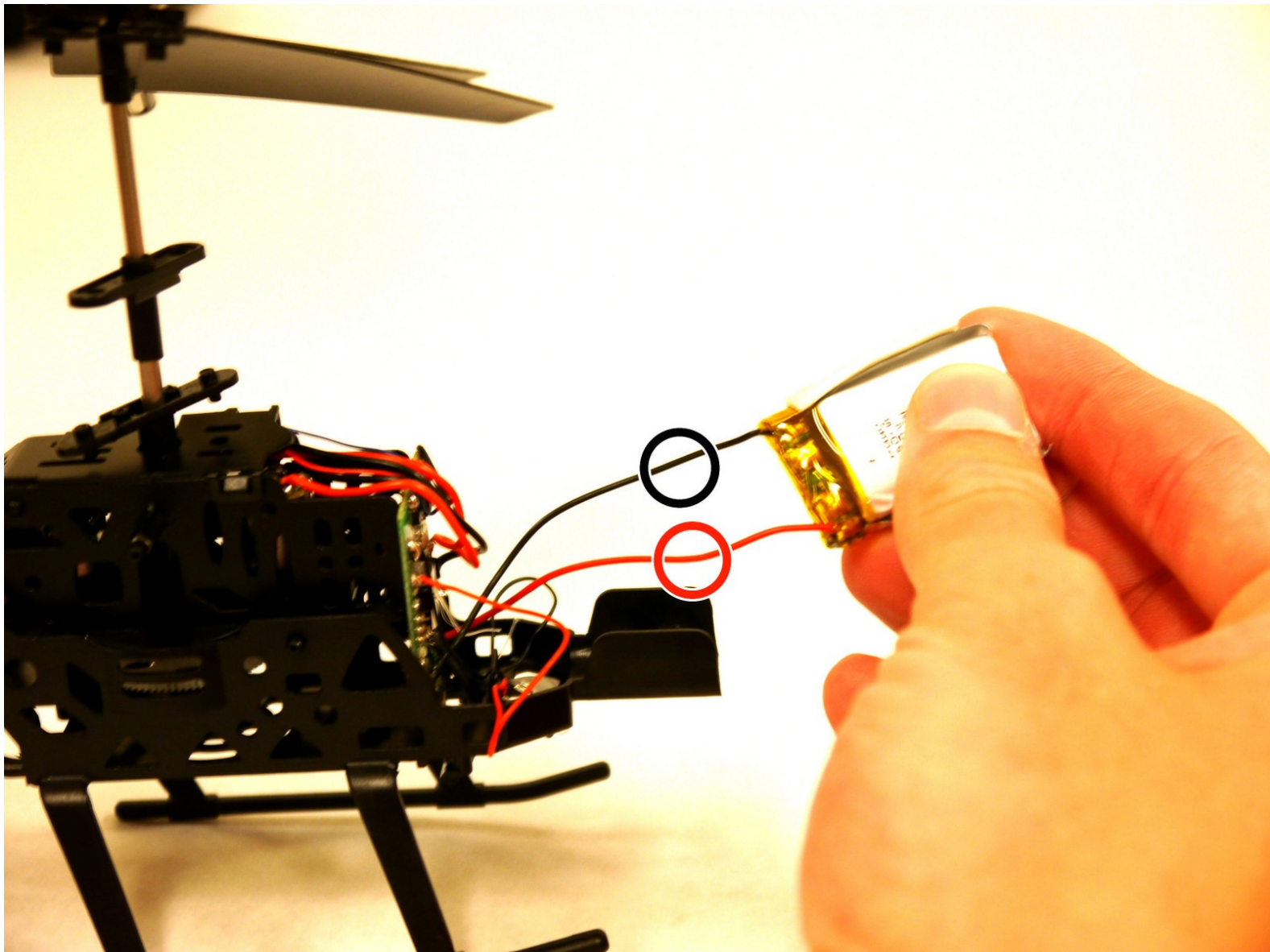




# Propel Gyro-X On-Board Battery Pack Replacement

This guide will show you how to replace the on-board battery pack that sits on the front of the Gyro-X chassis.

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## INTRODUCTION

Like most electronics, after some time the battery life will not be like it used to be. One can tell if the flight of the gyro-copter does not last as long or if there is trouble charging. Replacing the battery pack is not difficult but will require some soldering skills.

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### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
  - [Portable Soldering Iron](#) (1)
  - [Wire Stripper](#) (1)
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## Step 1 — Bottom Propellor Blades



- Remove the two 5.0 mm Phillips #00 screws from the rotors.
- The blades will fall off when the screws have been removed.

## Step 2 — Outer Shell



- Locate the nubs on either side of the helicopter.

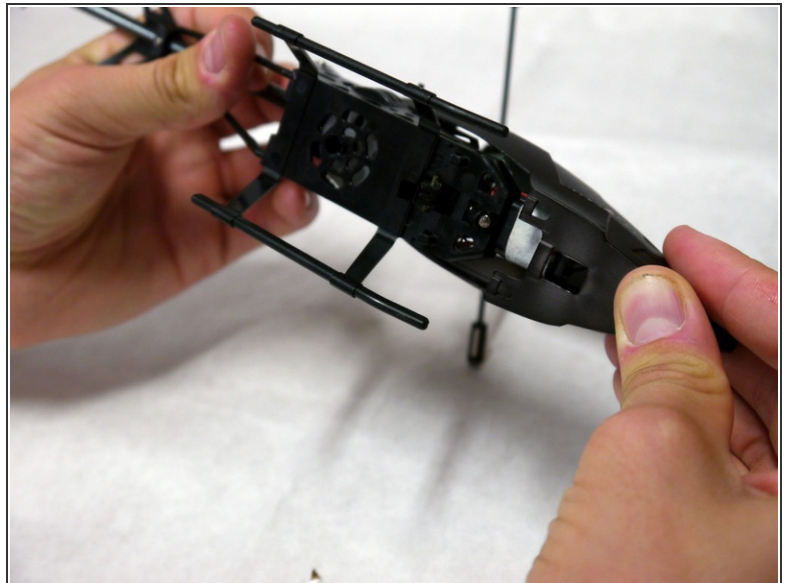
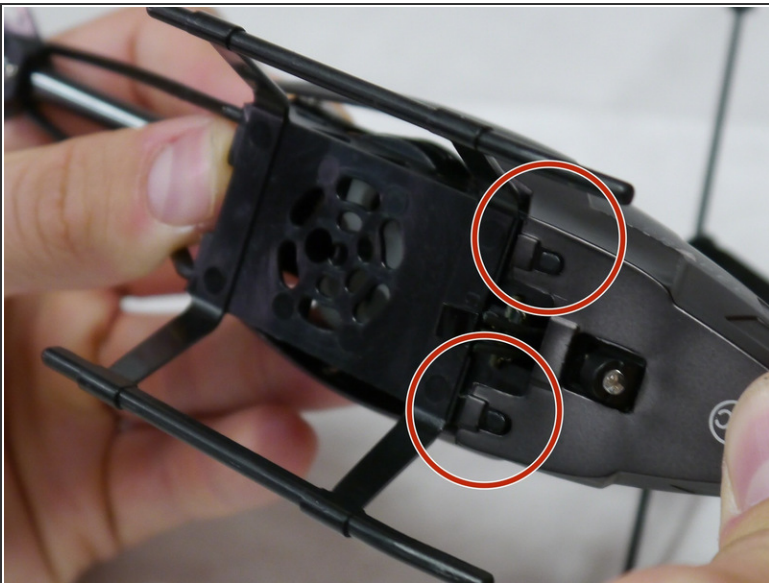


### Step 3



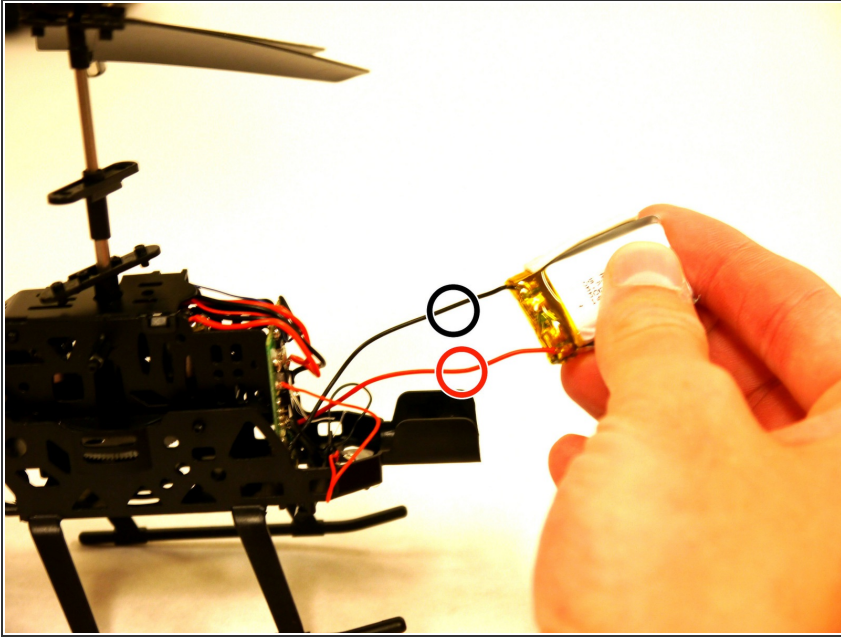
- Pull the body shell off of the nubs on both sides.

### Step 4



- Push the front of the nose back towards the tail of the helicopter.
- Push down on the shell and pull it away from the body, so that both slots pass over the hooks on the bottom of the helicopter.

## Step 5 — On-Board Battery Pack



**⚠** Do not cut battery wires simultaneously because this will cause a short circuit. Due to the unrestricted flow of electricity, a short circuit could cause bodily harm.

- Pull the battery off of the holder.
- Cut each of the wires to the battery one at a time using a pair of wire cutters.

**i** To replace the battery, you will need to strip both of the wires from the circuit, and both of the wires from the battery. You will then need to twist and solder both pairs of wires (red to red, black to black). You can find directions on soldering [here](#).

## Step 6



- Once the wires are cut, strip and solder the wires connected to the Gyro-X to the wires of the new batter pack.

 To learn how to solder follow the steps below [How To Solder and Desolder Connections](#)

To reassemble your device, follow these instructions in reverse order.

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